

MONTI® Group turnkey solutions for Your projects under one roof:

some of our brands:



Visco-elastic coatings



High pressure water jetting



Surface preparation technologies



Composite pipe repairs



What is surface prep?

- Removal of rust, corrosion, existing coating
- Creating a new profile
- Remove contaminations (oil, grease, chlorides)
- Remove millscale
- Feather the edges of linepipe coating



Do the job quickly and safely and go home...

Reduce Cost & Time Re-sharpen and Re-use Recycle

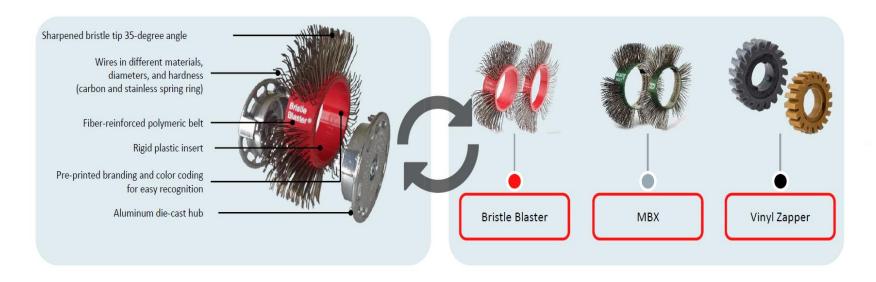
& Climb the ladder



Bristle Technology

>10,000 STRIKES A SECOND WITHOUT BURNISHING THE SURFACE

The core of MontiPower's bristle blasting and manufacturing expertise





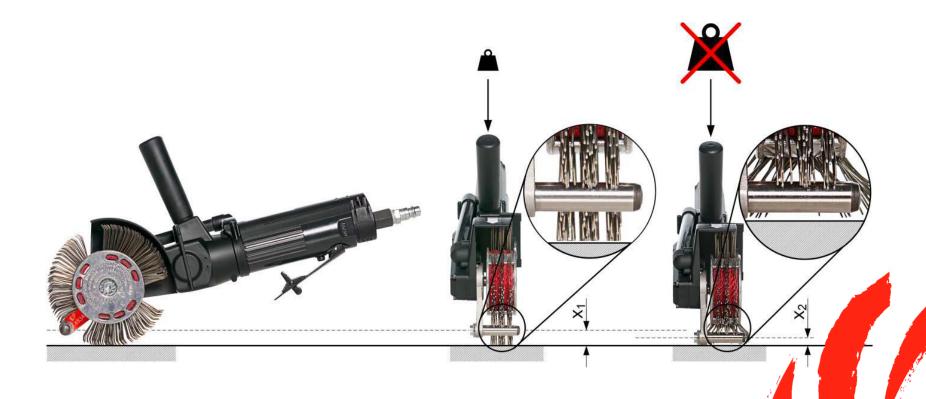
Manual and semi-automatic explained







Pneumatic, Cordless, Electric and Waterdriven





Bristle Blaster Double









The Q4 Prepper Machine



Specifics:

- 100mm wide preparation
- Modular version
- Lightweight
- Quick change bristle spindle
- Adjustable Accelerator bar for selecting roughness
- Revolutionary Spiral Brush Design

Drive units:

- Battery powered, 36V
- Transformer 120V
- Transformer 240V
- Aqua hydraulic Atex Zero



Video-FieldJoint prepper Q4 Framed app



Specifics:

- 100mm wide preparation
- Adjustable Clamp Frame version
- Semi automatic
- Aluminum Lightweight frame reducing cycle times
 - Easy handling
 - Easy positioning by only 2 people
- Extreme low mob- demob cost
- Suitable for pipelines up to 24Inch
- Dust collector



Operations

Application speed:

- Surface preparation Width per pass, 100mm
- Average Forward travelling speed, 1m/min.

Application Example:

Pipe diameter: 48 Inch

Cutback Width: 150 mm

Cleanliness grade: Sa 2 ½ ISO 8501-1 comparable

Roughness: >Rz 55 Micron

Number of side-by-side passes needed: 3

Application speed: 1mtr/min.

Total application time:

12 Minutes



FieldJoint prepper Q4 Crawler





Specifics:

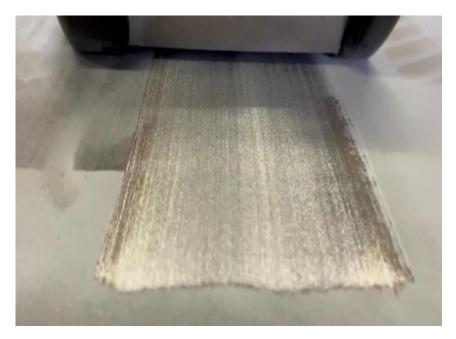
- 100mm wide preparation per pass
- Multifit Magnetic Wheel version
 - For diameters > 25 inch
- Automated solution
- Adjustable application / travel speed
 - 1 25mm/sec.
- Adjustable brush pressure
- Dust collector



Regular Surface Profile >50 micron







INDUSTRIALBristle Blasting Solutions

MARINESubsea Surface Profile & Cleaning Solutions

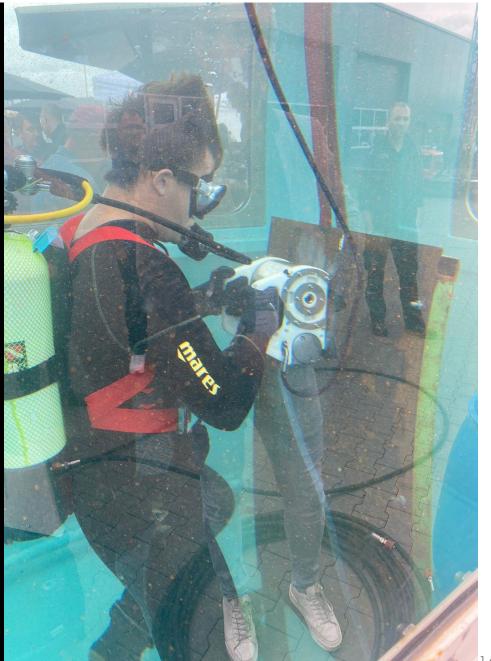
MOBILITY MBX-IT® Metal Blast Cleaning Solutions



Internal Autarq









Grit Blasting:	
Resource	2 workers
Prep. Works	60 minutes
Working Time	10 minutes
Clean-up Time	60 minutes
Consumables	 Ground Sheets Grit
Equipment	 Pot and Gun Machine Tethered Hose Compressor
Environmental	 Contaminated Waste Noise Levels
Safety	Air-fed PPE
Time	260 minutes (130 x2)



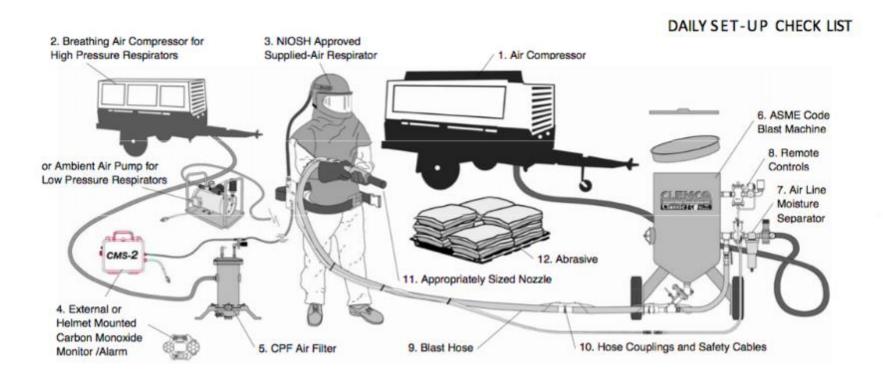
Bristle Blasting:	
Resource	1 worker
Prep. Works	20 minutes
Working Time	20 minutes
Clean-up Time	5 minutes
Consumables	Ground Sheets
Equipment	Bristle Blaster
Environmental	No grit required
Safety	Atmosphere Check
Time	45 minutes (45 x1)

Performance:



Save 33,5Kg Co₂ emissions per 1Sqm with Bristle Blaster versus open blasting with loose abrasives

(source: vanderende maasvlakte report)



Climbing the Co₂ Ladder



Selection of correct powertool or machine/ belts for the job 30 EURO/m2 for Bristle Blaster set avoiding Capex investments in blasting equipment





Protection of labor rights



Rooftop solar panels and carbon neutral production facility

33,4 Kg CO2 avoided

blasting

compared to grit



and promotion of worker
safety for noise, vibration
below PPE levels except for
eve-wear

Surface Preparation Technologies
Part of Montt Group

30-90kg grittal
chemical waste
removal avoided

Social



Dust & Coating Particle Suction without exposure to Chromate -6

5x faster to prepare a flange for the total time



Under a carbon tax, the government sets a price that emitters must pay for each ton of greenhouse gas emissions they emit.

Businesses and consumers will take steps, such as switching fuels or adopting new technologies, to reduce their emissions to avoid paying the tax.





Any Questions???



www.montipower.com

corronation.com allter.com